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(54) Title: SPECTROGRAM RECONSTRUCTION BY MEANS OF A CODEBOOK

(57) Abstract: A method for reconstructing a data spectrogram disturbed by noise and/or echo is described, wherein spectrogram data is subjected to an awarding of a reliability measure, and wherein the spectrogram data having a low reliability measure is replaced by more reliable data. In particular the replacement is carried out by employing spectrogram data having a higher reliability measure as a means for selecting a code-book entry where said more reliable data is stored. Such a code-book is easy to implement, and this method avoids correlation calculations, inversions of matrices and limitations as to the specific types of used statistical models. The reconstruction method improves speech recognition results, which is important for voice controlled devices.



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